

# Guillaume Pavlovic

## List of Publications by Year in Descending Order

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**Version:** 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41  
papers

3,282  
citations

21  
h-index

46  
g-index

46  
ext. papers

4,191  
ext. citations

10.7  
avg, IF

4.45  
L-index

#	Paper	IF	Citations
41	Extensive identification of genes involved in congenital and structural heart disorders and cardiomyopathy <b>2022</b> , 1, 157-173		2
40	A resource of targeted mutant mouse lines for 5,061 genes. <i>Nature Genetics</i> , <b>2021</b> , 53, 416-419	36.3	22
39	Droplet digital PCR or quantitative PCR for in-depth genomic and functional validation of genetically altered rodents. <i>Methods</i> , <b>2021</b> , 191, 107-119	4.6	8
38	Reliable and robust droplet digital PCR (ddPCR) and RT-ddPCR protocols for mouse studies. <i>Methods</i> , <b>2021</b> , 191, 95-106	4.6	10
37	Dyrk1a gene dosage in glutamatergic neurons has key effects in cognitive deficits observed in mouse models of MRD7 and Down syndrome. <i>PLoS Genetics</i> , <b>2021</b> , 17, e1009777	6	6
36	Modeling Down syndrome in animals from the early stage to the 4.0 models and next. <i>Progress in Brain Research</i> , <b>2020</b> , 251, 91-143	2.9	8
35	Mouse mutant phenotyping at scale reveals novel genes controlling bone mineral density. <i>PLoS Genetics</i> , <b>2020</b> , 16, e1009190	6	8
34	Human and mouse essentiality screens as a resource for disease gene discovery. <i>Nature Communications</i> , <b>2020</b> , 11, 655	17.4	25
33	Variability in Genome Editing Outcomes: Challenges for Research Reproducibility and Clinical Safety. <i>Molecular Therapy</i> , <b>2020</b> , 28, 1422-1431	11.7	18
32	TUBG1 missense variants underlying cortical malformations disrupt neuronal locomotion and microtubule dynamics but not neurogenesis. <i>Nature Communications</i> , <b>2019</b> , 10, 2129	17.4	10
31	Optimizing PCR for Mouse Genotyping: Recommendations for Reliable, Rapid, Cost Effective, Robust and Adaptable to High-Throughput Genotyping Protocol for Any Type of Mutation. <i>Current Protocols in Mouse Biology</i> , <b>2019</b> , 9, e65	1.1	10
30	A new mouse model of ARX dup24 recapitulates the patients behavioral and fine motor alterations. <i>Human Molecular Genetics</i> , <b>2018</b> , 27, 2138-2153	5.6	7
29	Ketohexokinase knockout mice, a model for essential fructosuria, exhibit altered fructose metabolism and are protected from diet-induced metabolic defects. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2018</b> , 315, E386-E393	6	18
28	Nox4 genetic inhibition in experimental hypertension and metabolic syndrome. <i>Archives of Cardiovascular Diseases</i> , <b>2018</b> , 111, 41-52	2.7	16
27	Translation of Expanded CGG Repeats into FMRpolyG Is Pathogenic and May Contribute to Fragile X Tremor Ataxia Syndrome. <i>Neuron</i> , <b>2017</b> , 93, 331-347	13.9	131
26	Efficient and rapid generation of large genomic variants in rats and mice using CRISMERE. <i>Scientific Reports</i> , <b>2017</b> , 7, 43331	4.9	52
25	A large scale hearing loss screen reveals an extensive unexplored genetic landscape for auditory dysfunction. <i>Nature Communications</i> , <b>2017</b> , 8, 886	17.4	81

24	Atp6ap2 ablation in adult mice impairs viability through multiple organ deficiencies. <i>Scientific Reports</i> , <b>2017</b> , 7, 9618	4.9	15
23	Prevalence of sexual dimorphism in mammalian phenotypic traits. <i>Nature Communications</i> , <b>2017</b> , 8, 15475-4	5.4	130
22	Disease model discovery from 3,328 gene knockouts by The International Mouse Phenotyping Consortium. <i>Nature Genetics</i> , <b>2017</b> , 49, 1231-1238	36.3	145
21	Modeling human disease in rodents by CRISPR/Cas9 genome editing. <i>Mammalian Genome</i> , <b>2017</b> , 28, 291-301	3.1	44
20	High-throughput discovery of novel developmental phenotypes. <i>Nature</i> , <b>2016</b> , 537, 508-514	50.4	608
19	E4F1-mediated control of pyruvate dehydrogenase activity is essential for skin homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 11004-9	11.5	11
18	Genome wide conditional mouse knockout resources. <i>Drug Discovery Today: Disease Models</i> , <b>2016</b> , 20, 3-12	1.3	3
17	Aneuploidy screening of embryonic stem cell clones by metaphase karyotyping and droplet digital polymerase chain reaction. <i>BMC Cell Biology</i> , <b>2016</b> , 17, 30		19
16	Physiological Expression of AMPK $\alpha$ RG Mutation Causes Wolff-Parkinson-White Syndrome and Induces Kidney Injury in Mice. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 23428-23439	5.4	19
15	Analysis of mammalian gene function through broad-based phenotypic screens across a consortium of mouse clinics. <i>Nature Genetics</i> , <b>2015</b> , 47, 969-978	36.3	106
14	Generation and Use of Transgenic Mice in Drug Discovery. <i>Methods and Principles in Medicinal Chemistry</i> , <b>2014</b> , 131-148	0.4	2
13	Skin progenitor cells contribute to bleomycin-induced skin fibrosis. <i>Arthritis and Rheumatology</i> , <b>2014</b> , 66, 707-13	9.5	25
12	Distinct fibroblast lineages determine dermal architecture in skin development and repair. <i>Nature</i> , <b>2013</b> , 504, 277-281	50.4	656
11	Mouse large-scale phenotyping initiatives: overview of the European Mouse Disease Clinic (EUMODIC) and of the Wellcome Trust Sanger Institute Mouse Genetics Project. <i>Mammalian Genome</i> , <b>2012</b> , 23, 600-10	3.2	116
10	The mammalian gene function resource: the International Knockout Mouse Consortium. <i>Mammalian Genome</i> , <b>2012</b> , 23, 580-6	3.2	230
9	Highly-efficient, fluorescent, locus directed cre and FlpO deleter mice on a pure C57BL/6N genetic background. <i>Genesis</i> , <b>2012</b> , 50, 482-9	1.9	37
8	Absence of TI-VAMP/Vamp7 leads to increased anxiety in mice. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 1962-8.6		55
7	PCSK9 is not involved in the degradation of LDL receptors and BACE1 in the adult mouse brain. <i>Journal of Lipid Research</i> , <b>2010</b> , 51, 2611-8	6.3	71

6	Conjugative transfer of the integrative conjugative elements ICES <sub>t</sub> 1 and ICES <sub>t</sub> 3 from <i>Streptococcus thermophilus</i> . <i>Journal of Bacteriology</i> , <b>2009</b> , 191, 2764-75	3.5	48
5	Evolution of genomic islands by deletion and tandem accretion by site-specific recombination: ICES <sub>t</sub> 1-related elements from <i>Streptococcus thermophilus</i> . <i>Microbiology (United Kingdom)</i> , <b>2004</b> , 150, 759-774	2.9	58
4	The ICES <sub>t</sub> 1 element of <i>Streptococcus thermophilus</i> belongs to a large family of integrative and conjugative elements that exchange modules and change their specificity of integration. <i>Plasmid</i> , <b>2002</b> , 48, 77-97	3.3	118
3	Conjugative transposons: the tip of the iceberg. <i>Molecular Microbiology</i> , <b>2002</b> , 46, 601-10	4.1	326
2	Characterization and chimeric structure of a family of integrative and potentially conjugative elements from <i>Streptococcus thermophilus</i> . <i>Dairy Science and Technology</i> , <b>2001</b> , 81, 57-64		2
1	A resource of targeted mutant mouse lines for 5,061 genes		3